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| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>   |  | <b>ATTORNEY'S DOCKET NUMBER</b><br>034166.006US                                    |
| INTERNATIONAL APPLICATION NO.<br>PCT/EP2004/003362  |  | U.S. APPLICATION NO. (if known, see 37 CFR 1.5)<br>To Be Assigned <b>10/559152</b> |
| INTERNATIONAL FILING DATE<br>30 March 2004 (30.03.2004)   |  | PRIORITY DATE CLAIMED<br>04 June 2003 (04.06.2003)                                 |
| TITLE OF INVENTION MEMBRANE-ELECTRODE UNIT FOR DIRECT METHANOL FUEL CELLS AND METHOD FOR THE PRODUCTION THEREOF   |  |  |
| APPLICANT(S) FOR DO/EO/US DZIALLAS, Holger et al.   |  |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:   |  |  |
| 1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.<br>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.<br>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.<br>4. <input type="checkbox"/> The US has been elected (Article 31).<br>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))<br>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).<br>b. <input type="checkbox"/> has been communicated by the International Bureau.<br>c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).<br>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).<br>a. <input checked="" type="checkbox"/> is attached hereto.<br>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).<br>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))<br>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).<br>b. <input type="checkbox"/> have been communicated by the International Bureau.<br>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.<br>d. <input checked="" type="checkbox"/> have not been made and will not be made.<br>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).<br>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).<br>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).<br><b>Items 11 to 20 below concern document(s) or information included:</b><br>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.<br>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.<br>13. <input type="checkbox"/> A preliminary amendment.<br>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.<br>15. <input type="checkbox"/> A substitute specification.<br>16. <input type="checkbox"/> A power of attorney and/or change of address letter.<br>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.<br>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).<br>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). |  |  |

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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|   |              |  |         |  |    |
|---|--------------|--|---------|--|----|
| U.S. APPLICATION NO. (if known, see 37 CFR 1.52)<br><b>To Be Assigned 291,522</b>   |              | INTERNATIONAL APPLICATION NO.<br>PCT/EP2004/003362                               |         | ATTORNEY'S DOCKET NUMBER<br>034166.006US |    |
| 20. Other items or information: Certificate of Mailing, Return Receipt Postcard   |              |  |         |  |    |
| The following fees are submitted:   |              |  |         | <b>CALCULATIONS      PTO USE ONLY</b>    |    |
| 21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)).....\$300  |              |  |         | \$ 300                                   |    |
| 22. <input checked="" type="checkbox"/> Examination Fee (37 CFR 1.492(c))<br>If the written opinion prepared by ISA/US to the international preliminary examination report prepared<br>By IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....\$0<br>All other situations .....\$200   |              |  |         | \$ 200                                   |    |
| 23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))<br>If the written opinion prepared by ISA/US to the international preliminary examination report prepared<br>By IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....\$0<br>Search fee (37 CFR 1.445(a)(2) has been paid on the international application to the USPTO as an<br>International Searching Authority .....\$100<br>International Search Report prepared by an ISA other than the US and provided in the Office or<br>previously communicated to the US by the IB.....\$400<br>All other situations .....\$500 |              |  |         | \$ 500                                   |    |
| <b>TOTAL OF 21, 22 and 23 =</b>   |              |  |         | <b>\$ 1,000</b>                          |    |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding<br>sequence listing in compliance with 37 CFR 1.821 (c) or (e) computer program listing filed in an<br>electronic medium) (37 CFR 1.492(j)).<br>The fee is \$250 for each additional 50 sheets of paper or fraction thereof.   |              |  |         |  |    |
| Total Sheets  | Extra sheets | Number of each additional 50 or fraction<br>thereof (round up to a whole number) | RATE    |  |    |
| - 100 =   | 0/50 =       |  | x \$250 | \$ 0                                     |    |
| Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date<br>of commencement of the national stage (37 CFR 1.492(h)).  |              |  |         | \$                                       |    |
| CLAIMS  | NUMBER FILED | NUMBER EXTRA   | RATE    | \$                                       |    |
| Total claims  | 9 - 20 =     | 0  | x \$50  | \$                                       |    |
| Independent claims  | 2 - 3 =      | 0  | x \$200 | \$ 34                                    |    |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)   |              |  | + \$360 | \$                                       |    |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>  |              |  |         | <b>\$ 1,000</b>                          |    |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.  |              |  |         | \$                                       |    |
| <b>SUBTOTAL =</b>   |              |  |         | <b>\$ 1,000</b>                          |    |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest<br>claimed priority date (37 CFR 1.492(f)).  |              |  |         | \$                                       |    |
| <b>TOTAL NATIONAL FEE =</b>   |              |  |         | <b>\$ 1,000</b>                          |    |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied<br>by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property   |              |  |         | \$                                       |    |
| <b>TOTAL FEES ENCLOSED =</b>  |              |  |         | <b>\$ 1,000</b>                          |    |
|   |              |  |         | Amount to be<br>refunded:                | \$ |
|   |              |  |         | Amount to be<br>charged:                 | \$ |

10/559152

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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IAP16 Rec'd PTO 03 DEC 2005

- a. ☒ A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment of Deposit Account No. 02-4300. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charge to a credit card. **WARNING** : Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.37(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Customer No. 25461

Smith, Gambrell & Russell, LLP  
Suite 3100, Promenade II  
1230 Peachtree Street, N.E.  
Atlanta, Georgia 30309-3592

  
SIGNATURE

Robert G. Weilacher

NAME

20,531

REGISTRATION NUMBER

10/559152

AP16 RECEIVED PTO 05 DEC 2005

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.10

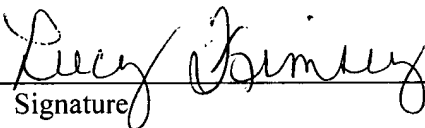
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Signature

Lucy Kimsey

Inventor(s): DZIALLAS, Holger et al.  
Serial No.: To Be Assigned (National Phase of PCT/EP2004/003362)  
Filing Date: Concurrent Herewith  
Title: Membrane-Electrode Unit for Direct Methanol Fuel Cells and Method for the Production Thereof  
Atty. Dkt. No.: 034166.006US

The correspondence includes the following documents:

1. \$1,000.00 Check for Filing Fee;
2. Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 U.S.C. 371 (3 pages, in duplicate);
3. Description, including Specification (9 pages), Claims (2 pages), Abstract (1 page), and Drawing (1 sheet, depicting Fig. 1);
4. International Publication No. WO 2004/109828 A2 (11 pages);
5. Information Disclosure Statement and Form PTO/SB/08a with 1 cited foreign patent reference (18 pages);
6. Certificate of Mailing Under 37 CFR §1.10 (1 page); and
7. Return Receipt Postcard.